

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 10/08/2019 08:56 AM
Cytometer Baseline: 04/24/2019 12:37 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123938	-1	1.03	123997	1.02
Blue	F	SSC	125000	124135	-1	1.90	124955	1.91
Blue	E	FITC	16122	15648	-3	2.73	341	19.34
Blue	D	PE	29316	28965	-2	1.87	629	14.69
Blue	B	PerCP-Cy5-5	42590	42191	-1	3.53	1136	20.16
Blue	A	PE-Cy7	33146	32917	-1	5.90	625	40.50
Red	C	APC	45473	45008	-2	2.29	1596	11.91
Red	A	APC-Cy7	31961	31213	-3	2.21	824	11.63
Violet	B	V450	7914	7493	-6	5.16	419	13.67
Violet	A	V500	29769	28413	-5	5.02	661	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20676	3.33	607	7	N/A	N/A	Pass
Blue	F	SSC	56469	1.31	554	16	N/A	N/A	Pass
Blue	E	FITC	62	60.01	540	3	0.0209	73	Pass
Blue	D	PE	132	49.98	543	6	0.1682	291	Pass
Blue	B	PerCP-Cy5-5	209	48.37	647	9	0.0091	26	Pass
Blue	A	PE-Cy7	120	97.01	698	7	0.0110	11	Pass
Red	C	APC	380	24.79	585	6	0.0252	144	Pass
Red	A	APC-Cy7	182	27.74	561	5	0.0059	873	Pass
Violet	B	V450	64	59.30	465	5	0.0464	1777	Pass
Violet	A	V500	99	31.13	477	5	0.0235	449	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.59	0.99
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.34	13.60 - 20.40	N/A	N/A	30.26	30.57	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12040

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments